

Claims

What is claimed is:

1. A heat sink retention frame comprising:
a plurality of spaced apart base members mounted on a board member, each base member having a first connector portion and a second connector portion; and
a plurality of retention members each having a first end movably connected to the first connector portion of one of the base members and having a second end extended into connection with the second connector portion of another of the base members.
2. The frame of claim 1 wherein the connector portions on each base member include a pivotal connection and a latch connection.
3. The frame of claim 1 wherein each base member is oriented at about ninety degrees relative to an adjacent base member.
4. The frame of claim 1 wherein the first end is pivotally connected and the second end is latched.
5. The frame of claim 1 wherein each retention member spans a space between two adjacent base members.
6. A heat sink retention frame comprising:
a plurality of spaced apart base members mounted on a board member;
a plurality of connector portions on each base member; and

a plurality of retention members, each retention member having a first end connected to one of the connector portions on one of the base members and a second end connected to another of the connector portions on another of the base members.

7. The frame of claim 6 wherein the connector portions on each base member include a pivotal connection and a latch connection.
8. The frame of claim 6 wherein each base member is oriented at about ninety degrees relative to an adjacent base member.
9. The frame of claim 6 wherein the first end is pivotally connected and the second end latched.
10. The frame of claim 6 wherein each retention member spans a space between two adjacent base members.
11. A heat sink retention apparatus comprising:
 - a plurality of spaced apart base members mounted on a board member; and
 - a plurality of interchangeable retention members, each retention member having a first end pivotally connected to any one of the base members and a second end latched to an adjacent one of the base members.
12. The apparatus of claim 11 wherein each base member includes a pivotable connector portion and a latch connector portion.

13. The apparatus of claim 11 wherein each base member is oriented at about ninety degrees relative to an adjacent base member.
14. The apparatus of claim 11 wherein each retention member spans a space between two adjacent base members.
15. A heat sink retention apparatus comprising:
 - a plurality of base members movably mounted on a board member in a spaced apart relationship; and
 - a plurality of variable sized retention members selected to correspond to the spaced apart base members, each retention member having a first end pivotally connected to any one of the base members, and a second end latched to an adjacent one of the base members, such that a first retention member is substantially parallel to a second retention member.
16. The apparatus of claim 15 wherein each base member includes a pivotable connector portion and a latch connector portion.
17. The apparatus of claim 15 wherein each base member is oriented at about ninety degrees relative to an adjacent base member.
18. The apparatus of claim 15 wherein each retention member spans a space between two adjacent base members.
19. An information handling system comprising:
 - a board member;
 - a processor mounted on the board member;
 - a plurality of spaced apart base members mounted on the board

member adjacent the processor, each base member having a first connector portion and a second connector portion; and

a plurality of retention members each having a first end movably connected to the first connector portion of one of the base members and having a second end extended into connection with the second connector portion of another of the base members.

20. The system of claim 19 wherein the connector portions on each base member include a pivotal connection and a latch connection.
21. The system of claim 19 wherein each base member is oriented at about ninety degrees relative to an adjacent base member.
22. The system of claim 19 wherein the first end is pivotally connected and the second end is latched.
23. The system of claim 19 wherein each retention member spans a space between two adjacent base members.
24. A method for securing a heat sink to a board member comprising:
 - providing a board member;
 - mounting a processor on the board member;
 - providing a heat sink in abutment with the processor;
 - providing a plurality of spaced apart base members mounted on the board member adjacent the processor;
 - providing a plurality of retention members with a first end and a second end;
 - placing the heat sink on the base members; and

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securing the heat sink to the base members by pivotally connecting the first end of each retention member to a first connector portion of one of the base members and extending the second end of each retention member into latched connection with a second connector portion of another of the base members, each of the retention members engaging the heat sink.